



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/726,436	12/03/2003	Ajay Garg	INTEL/17848	5824
7590 GROSSMAN & FLIGHT LLC Suite 4220 20 North Wacker Drive Chicago, IL 60606-6357		04/05/2007	EXAMINER PERUNGAVOOR, VENKATANARAY	
			ART UNIT 2132	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MONTHS	04/05/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary	Application No.	Applicant(s)
	10/726,436	GARG ET AL.
	Examiner Venkat Perungavoor	Art Unit 2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 03 December 2003.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-30 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 03 December 2003 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date. _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 3-9, 11-18, 20-25, 27-30 are rejected under 35 U.S.C. 102(e) as being anticipated by US

Patent 7051367 to Krishnaswamy et al.(hereinafter Krishnaswamy).

Regarding Claim 1,9, Krishnaswamy discloses the identifying a packet associated with an processor see Col 5 Ln 7-11 & Fig. 3 item 42; identifying one or more platform-level network security protocols associated with extensible firmware interface see Fig. 3 item 52 & Fig. 4 item 68; identifying the packet with security conditions based on protocols see Col 5 Ln 44-52.

Regarding Claim 3, 11, Krishnaswamy discloses the identifying the packet incoming fro network interface see Col 4 Ln 64-66 and outgoing packet from operating system associated with the network interface see Fig. 2 item 18 & Col 2 Ln 61-64.

Regarding Claim 4, 12, 22, 29, Krishnaswamy does not disclose the configuration table having firewall, VPN and IP see Col 4 Ln 58-63 & Fig. 2 item 29.

Regarding Claim 5, 13, 23, 30, Krishnaswamy discloses the pointers being used in the PSR table to configure the routers see Col 5 Ln 7-11.

Regarding Claim 6, 14, Krishnaswamy discloses the associating the packet with one allowable condition see Fig. 4 item 76 and deny condition based on rate-limiting condition see Fig. 4 item 72.

Regarding Claim 7, 15, 20, 27, Krishnaswamy discloses the queues being used for packets see Fig. 5 item 82.

Regarding Claim 8, 16, 21, 28, Krishnaswamy discloses the deny condition resulting in sleeping(not accepting packets) of the processor see Fig. 5 item 90.

Regarding Claim 17, Krishnaswamy discloses the network interface(Fig. 1 item 60); interrupt handler to receive interrupt request(see Fig. 3 item 48); network driver(Fig. 2 item 22) to identify a packet associated with an processor see Col 5 Ln 7-11 & Fig. 3 item 42, identifying one or more platform-level network security protocols associated with extensible firmware interface see Fig. 3 item 52 & Fig. 4 item 68, and identifying the packet with security conditions based on protocols see Col 5 Ln 44-52.

Regarding Claim 18, 25, Krishnaswamy discloses the network interface card see Col 2 Ln 61-64.

Regarding Claim 24; Krishnaswamy discloses the network interface(Fig. 1 item 60; processor(Fig. 3 item 64) to identify a packet associated with an processor see Col 5 Ln 7-11 & Fig. 3 item 42, identifying one or more platform-level network security protocols associated with extensible

Art Unit: 2132

firmware interface see Fig. 3 item 52 & Fig. 4 item 68, and identifying the packet with security conditions based on protocols see Col 5 Ln 44-52.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2, 10, 19, 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent 7051367 to Krishnaswamy et al.(hereinafter Krishnaswamy) in view of US Patent 5748980 to Lipe et al.(hereinafter Lipe).

Regarding Claim 2,10,19, 26, Krishnaswamy does not explicitly disclose the pre-boot environment and post boot environment. However, Lipe discloses the pre-boot environment with configuration data see Fig. 4B item 64 and post-boot environment identify the device drivers for buses see Fig. 4B item 70. It would be obvious to one having ordinary skill in the art at the time of the invention to include the pre-boot and post-boot environment in the invention of Krishnaswamy in order to have no conflict in resources as it occurs during boot-time as taught in Lipe see Fig. 4B item 60.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Venkat Perungavoor whose telephone number is 571-272-7213. The examiner can normally be reached on 8:30-5:00.If attempts to reach the examiner by telephone are unsuccessful,

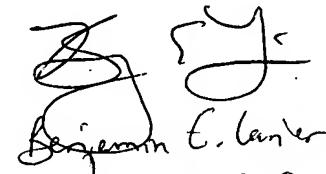
Art Unit: 2132

the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Venkat Perungavoor
Examiner
Art Unit 2132

VP
3/28/2007


Venkat Perungavoor
Examiner
Art Unit 2132